



# 3D Image Cameras & 3D Laser Crystal Engraving System

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[Please click here to select which crystal you want to engrave your image into it!](#)

## 3D Laser Engraving Machine

Using 3D laser machine to engrave 3D/2D portraits into 3d laser crystals are developed by our company. The 2D/3D laser crystal images are created by tiny laser points as displayed in the computer images. An image can be engraved into a 3d laser crystal through laser engraving machine that penetrate through the crystal and coordinate with the positions of tiny points depicting the image. The operation of the [3d Laser Crystal Engraving System](#) is controlled by the software with an optimized control algorithm to effectively create each portrait with great quality. The high quality 3d laser engraving hardware combined with the uniquely designed 3D laser engraving software distinguishes the products of our [3D Laser Crystal Engraving Machine](#) from other's, especially with the features of its easy operation, low maintenance cost and the lowest price in the market.



### LE-X1500s Super Speed small 3D Crystal and 2D surface multi-function Laser Machine

- (1) Laser medium Nd: YVO4 diode pump laser.
- (2) Engraving speed: 1,500 points/s.
- (3) Size of system: 28"(H) \* 20"(W) \* 19 "(D).
- (4) Power: 600(w).
- (5) Mini diameter of a point: 60um
- (6) Max diameter of a point: 150um
- (7) Power supply: 220v or 110v with 50/60Hz
- (8) Max. Engraving size: 8"(X), 6"(Y), 4"(Z).
- (9) Max. Crystal size: 8"(X), 7"(Y), 4.5"(Z).

**Your dream 3d crystal and 2d  
surface metal laser machine.**



- (10) Color: Silver.
- (11) Air cooling system.
- (12) Head of 3D laser machine: 1.
- (13) System weight: 60 kg.

The LE-X1500s is small size laser machine with latest diode-pumped laser component. This 3d laser crystal engraving machine is especially designed for users who want to setup booth in shopping mall due to its smaller size and easy to operate. It combines the capability of 3d laser crystal engraving with marking on metal surface. It's the first 3d laser crystal engraving machine in the market with this unique capability. You are able to engrave 3d and 2d images into either in crystals or metal, plastic and leather gifts. The LE-X1500s 3d laser crystal machine is the first laser engraving machine in the world with capability of engraving both subsurface and surface.



[More Detail Info](#)

LE-X1500s is your dream laser machine which has multi-functions - is able to engrave 3d image into crystals and also can engrave 2d image on surface of metal, plastic and leathers.

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## LE-X1500 Super Speed 3D Laser Machine



[More detail info](#)

## LE-X1500 super speed 3D laser engraving machine

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- (1) Laser medium Nd: YVO4 diode pump laser.
- (2) Engraving speed: 1500 points/s.
- (3) Size of system: 34"(H) \* 20"(W) \* 25"(L).
- (4) Power: 900(w).
- (5) Laser Position accuracy: 3um
- (6) Laser Engraving Resolution: 5um
- (7) Power supply: 220v or 110v with 50/60Hz
- (8) Max. Engraving Crystal size: 8"(X), 8"(Y), 4.5"(Z).
- (9) Max. marking range: 8"(X), 7"(Y), 4"(Z).
- (10) Laser Engraving speed: 90,000 points/min.
- (11) Air cooling system.
- (12) Head of 3D laser machine: 1.
- (13) System weight: 80 kg.

The excellent stable diode-pumped solid-state 3D laser engraving technology has been developed by our company. The LE-X laser crystal engraving machine fully utilizes latest laser technologies and reach super high engraving speed - 1500 points/s, and that allow you are able to engrave 2D/3D image into crystal with super fast speed. The most

advantage of this new 3D laser engraving machine is smaller size, low power consumption - only needs 900W and 110v voltage. Actually you can easily bring or set 3D crystal engraving business in shopping mall or any where you like.

## LE-X2000 Super Speed 3D Laser Machine

- (1) Laser medium Nd: YVO4 diode pump laser.
- (2) Engraving speed: 2000 points/s.
- (3) Size of laser system: 28"(H)\*20"(W)\*25"(D).
- (4) Power: 1200w.
- (5) Laser system resolution: 600 dpi or more.
- (6) Positioning accuracy: 10um
- (7) Power supply: 110v or 220v with 50/60Hz.
- (8) Engraving size: 8"(Y)\*8"(X)\*4"(Z).
- (9) Weight: 100kg.
- (10) Engraving speed: 120,000 points/min.
- (11) Air cooling system
- (12) Head of 3D laser machine: 1.

The LE-X2000 3D laser engraving machine is the fastest laser engraving system with speed (120000 points/min) in our company by using the most advanced laser engraving technology - YVO4 diode pump laser, with smaller size. This high speed crystal laser engraving machine is perfect for shopping mall business model, since with small size of system you can put any where to take the customer order and make 3D crystal product right way. This 3d laser engraving machine has bigger engraving size 14"(X)\*12"(Y)\*4"(D) which is biggest engraving size with smaller body in the market.



[More Detail Info](#)

## LE-X2000 super speed 3D laser engraving machine

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## LE-X3000 Super Speed 3D Laser Machine

- (1) Laser medium Nd: YVO4 diode pump laser.
- (2) Engraving speed: 3000 points/second.
- (3) Size of system: 28"(H) \* 27"(W) \* 36"(L).
- (4) Power: 1000(w).







[More Detail Info](#)

## LE-X3000 super speed 3D laser engraving machine

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- (5) Laser Position accuracy: 3um
- (6) Laser Engraving Resolution: 5um
- (7) Power supply: 220v or 110v with 50/60Hz
- (8) Max. Engraving Crystal size: 14"(X), 12"(Y), 4.5"(Z).
- (9) Max. Crystal size: 14"(X), 12"(Y), 4"(Z).
- (10) Color: Silver.
- (11) Air cooling system.
- (12) Head of 3D laser machine: 1.
- (13) System weight: 110 kg.

Our latest super 3d laser engraving machine uses the most advanced technologies to integrate diode-pumped solid-state laser component and computer control software, which is very unique and creative 3d laser crystal engraving algorithm designs to achieve 3000 points/s. This 3d laser crystal engraving machine is able you to engrave 3d/2d laser crystal at super speed, which fit into customized 3d laser crystals and massive products. Also it still has smaller size, low power consumption and easily movable. Our LE-X3000 3d laser engraving machine has the lowest price in the world and there are few companies to be able to make these type of machine so far.

## LE-X4000 Super Speed 3D Laser Machine

- (1) Laser medium Nd: YVO4 diode pump laser.
- (2) Engraving speed: 4000 points/s.
- (3) Size of laser system: 28"(H) \* 27"(W) \* 36"(L).
- (4) Power: 1000w.
- (5) Laser system resolution: 600 dpi or more.
- (6) Positioning accuracy: 10um
- (7) Power supply: 110v or 220v with 50/60Hz.
- (8) Max engraving size: 12"(Y)\*14"(X)\*4.5"(Z).
- (9) Max crystal size: 12"(X) \* 14"(Y) \* 4.5"(Z).
- (10) Weight: 100kg.
- (11) Air cooling system
- (12) Head of 3D laser machine: 1.



[More detail Info](#)

The LE-X4000 3D laser engraving machine is the fastest laser engraving system with speed (4000

LE-X4000 super speed  
3D laser engraving

points/s) in 3d laser crystal engraving machine area. Our company uses the most advanced laser engraving technology - YVO4 diode pump laser and patented control algorithm to get this speed in 3d laser engraving area. This high speed crystal laser engraving machine is perfect for shopping mall business model and massive production as well, since with small size of system you can put any where to take the customer order and make 3D crystal product right way.

## 3D laser engraving machine

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### SL-2000 Super Speed 3D Laser Engraving Machine



[More Detail Info](#)

- (1) Laser medium Nd: Diode (DPSSL-Q Switch).
- (2) Frequency: 2000Hz.
- (3) Size of laser system: 22"(H)\*26"(W)\*22"(D).
- (4) Power: 600w.
- (5) Laser system resolution: 600 dpi or more.
- (6) Position Accuracy: 10 um.
- (7) Power supply: 110v/220v with 50/60Hz.
- (8) Engraving size: 5"(Y)\*4.5"(X)\*4.0"(Z).
- (9) Weight: 100kg.
- (10) Engraving speed: 2000 points/s.
- (11) Air cooling system
- (12) Max crystal size: 8"\*8"\*5"
- (13) Head of 3D laser machine: 1.

### SL-2000 Super Speed 3D Laser Engraving Machine

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The SL-2000 3D laser engraving machine is laser engraving system with the engraving speed (2000 points/s) by using the most advanced laser engraving technology - diode pump laser. This high speed crystal laser engraving machine is perfect for shopping mall business model, since it integrates computer with laser machine with small size of system, you can put it to any where to take the customer order and make 3D crystal product. The unique technology used in the 3D laser machine is controllable pulse width, that means the engraved dot size can be controlled by software.

### Z-2000A Super High Speed

# 3D Laser Machine

- (1) Engraving speed: 2000 points/s.
- (2) Laser Medium: Diode pump laser.
- (3) Size of laser system: 22 "(H) \* 12"(W) \* 25"(L).
- (4) Power: less 400(w).
- (5) 3D Laser Machine position accuracy: 2um.
- (6) Laser system resolution: 600pdi or more.
- (7) Power supply: 220v/110v with 50/60Hz.
- (8) Laser engraving size: X-2.5", Y-2.5", Z-3.0".
- (9) Max crystal size: X-7", Y-8", Z-4.2".
- (10) System Weight: 45KG.
- (11) Air cooling system
- (12) Head of 3D laser machine: 1.



## Z-2000A 3D Laser Engraving Machine

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The Z-2000A 3D laser engraving machine uses the latest laser engraving technology - diode pump laser to control the mirror to engrave image into 3D crystal instead of moving crystal. This diode laser machine is the one with highest engraving speed - 2000 points/s in our company. With one or two minutes you can get nice 3D crystal with high quality picture engraved. This 3D laser machine has very small size and is specially designed for shopping mall and easily to be moved to any where. It looks like a desk computer with touch color monitor embedded and easy to use.

[2D/3D laser crystal engraving machine FAQ](#)  
[3d/2d personalized crystals](#) [3d laser engraving machine](#)

[3D Camera FAQ](#)  
[3D laser crystals](#)

## 3D Cameras Specification

3D Image Camera	Z-L1
JPEG picture resolution	8 Mege-pixels
People captured	1-3 in one/two rows
3D reconstruction resolution	0.3 mm
Capturing time	<0.5s

<b>Exposure time</b>	<b>1/120s - 1/60s</b>
<b>Maximum vision area</b>	<b>32"(w)*22"(h)*14"(d)</b>
<b>Distance from 3D camera to object</b>	<b>59"</b>
<b>Environment light requirement</b>	<b>any light intensity conditions, don't need additional lighting</b>
<b>Scalability</b>	<b>Configured to capture face, chest, back and head</b>
<b>3D restructure angle scope</b>	<b>From 0 to 180 degree at one view direction</b>
<b>Dimensions</b>	<b>16"(w)*5.5"(h)*8"(d)</b>
<b>Output Format</b>	<b>STL, OBJ, 3DS, WRL, LTM and TGL</b>
<b>Input Format</b>	<b>STL, OBJ, 3DS, LTM and TGL</b>
<b>Weight</b>	<b>7kg</b>
<b>Software OS</b>	<b>Windows 2000, XP</b>



**3D Camera Z-L1**  
**Price: \$9,500.00**

## Customer Service

**service@3dlasermachine.com**

**707 364 4849**

**24 Hours & 7 days a week**

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